

METHOD AND APPARATUS FOR ASSESSING PERFORMANCE OF  
COMBINED CYCLE POWER-PLANTS

## ABSTRACT OF THE DISCLOSURE

[0035] A method of determining performance impact of individual components of a power plant on overall thermal performance of the power plant, the method including (a) designing a first thermal model of the power plant using original specification data of the power plant; (b) developing a second thermal model of the power plant from measured performance data of each component of the power plant; and (c) determining the performance impact of a selected component of the power plant on the overall thermal performance of the power plant by substituting design performance data of the selected component in the first thermal model with its measured performance data.